| Ind | dex of | Claims |  |
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|     |        |        |  |

| <b>Application</b> | Control No. |
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10/705,235

Examiner

John P. Sheehan

Applicant(s)/Patent under Reexamination

SHIMADA ET AL.

Art Unit

1793

| √ | Rejected |
|---|----------|
| 1 | Allowed  |

(Through numeral)
Cancelled

Restricted

N Non-Elected

I Interference

A Appeal
O Objected

| Cla          | aim      | Date     |                 |          |          |          | $\neg$   | Claim Date                          |              |          |          |          |          |                                     |                 | Cli      | aim      | Date                                       |          |          |          |          |          |                     |          |              |         |         |         |              |        |
|--------------|----------|----------|-----------------|----------|----------|----------|----------|-------------------------------------|--------------|----------|----------|----------|----------|-------------------------------------|-----------------|----------|----------|--|----------|----------|----------|----------|----------|---------------------|----------|--------------|---------|---------|---------|--------------|--------|
|              |          |          |                 |          |          |          | $\dashv$ | 1                                   |              |          |          |          |          |                                     |                 | $\dashv$ |          |  | Т        | T        | Т        | T        | Ť        | Т                   | 1        | $\top$       |         |         |         |              |        |
| Final        | Original | 12/17/20 |                 |          |          |          |          |                                     |              |          | Final    | Original |          |                                     |                 |          |          |  |          |          |          | Final    | Original |                     |          |              |         |         |         |              |        |
| 1            | 1        | =        |                 | $\Box$   | П        |          |          |                                     |              |          |          | 51       |          |                                     |                 |          |          |  |          |          |          |          | 101      |                     |          |              |         |         |         |              |        |
|              | 2        | -        |                 | 7        |          |          |          |                                     |              |          |          | 52       |          |                                     |                 |          |          |  |          |          |          |          | 102      |                     |          | Т            | Т       | Т       | Т       | Т            | $\top$ |
| 2            | 3        | =        |                 | $\neg$   | 寸        |          |          |                                     |              | _        | j        | 53       |          |                                     |                 |          | T        |  |          |          | _        |          | 103      | $\Box$              | $\neg$   | Т            | T       | $\top$  | Т       | Т            | $\top$ |
| 3            | 4        | =        | T               | 7        |          |          | $\neg$   |                                     |              |          |          | 54       |          |                                     |                 |          | $\neg$   | 寸  | $\dashv$ | $\neg$   | _        |          | 104      |                     | 7        | 1            |         |         |         | T            | 丁      |
| F            | 5        | -        | 一               | 7        | Ť        |          | $\neg$   |                                     |              |          |          | 55       |          |                                     |                 | $\neg$   |          |  |          |          |          |          | 105      |                     |          |              | ╗       | _       | 1       | $\top$       | $\top$ |
| 4            | 6        | =        |                 | ╛        |          | _        |          |                                     |              |          |          | 56       |          |                                     | T               |          |          | _  | $\dashv$ | 一十       | $\dashv$ |          | 106      |                     | $\top$   | Ť            | Т       | ╅       | 1       | ┪            | $\top$ |
| 5            | 7        | =        | $-\dagger$      | _        |          | $\dashv$ |          |                                     |              |          |          | 57       |          |                                     | $\exists$       | 一        | _        | 7  | 寸        |          | ┪        |          | 107      | $\vdash$            | $\neg$   | 十            | $\top$  | _       | ╈       | ╅            | $\top$ |
| 6            | 8        | =        |                 | 寸        |          | 寸        | $\neg$   |                                     |              |          |          | 58       |          |                                     | $\dashv$        | $\neg$   | $\dashv$ | 寸  | _        |          | $\neg$   |          | 108      | $\top$              | $\top$   | 1            | 1       |         | 1       | 1            | $\top$ |
| 7            | 9        | =        |                 | 十        |          |          | $\neg$   | _                                   |              |          |          | 59       | _        |                                     | $\neg$          | 寸        | 寸        | T  | 7        | 十        | 7        |          | 109      | $\top$              | $\top$   | Ť            | 1       | ╅       | 十       | ╅            | $\top$ |
| <del></del>  | 10       | -        |                 | $\dashv$ | _        | $\dashv$ | $\neg$   |                                     |              |          |          | 60       |          | -                                   |                 | _        | $\dashv$ | 寸  | _        | 十        | _        |          | 110      | $\vdash$            | 1        | T            | +       | $\top$  | +-      | +            | $\top$ |
| 8            | 11       | =        | - t             | $\dashv$ | $\dashv$ | $\dashv$ | _        |                                     | -            | $\dashv$ |          | 61       |          |                                     | $\neg$          | _        | $\dashv$ | 1  | 1        | _†       | -        |          | 111      |                     | $\top$   | $\top$       | 十       | $\top$  | +       | 1            | 1      |
| <u> </u>     | 12       | H        | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash$                            | Н            | $\dashv$ |          | 62       | -        |                                     | -               | $\dashv$ | $\dashv$ | $\dashv$                                   | -+       | +        |          | -        | 112      | $\vdash \vdash$     | $\dashv$ | $\dagger$    | +       | +       | $\top$  | T            | +      |
| -            | 13       | -        | $\vdash$        | $\dashv$ | ┪        | $\dashv$ | $\dashv$ | Н                                   | $\vdash$     | $\dashv$ |          | 63       | -        | -                                   | $\dashv$        | _        | +        | -  | 十        | $\dashv$ | _        |          | 113      | $\vdash$            | $\dashv$ | +            | +       | $\top$  | ╁       | T            | 1      |
| $\vdash$     | 14       | -        | -               | $\dashv$ | $\dashv$ | $\dashv$ | -        | H                                   | $\dashv$     | $\dashv$ |          | 64       | -        | $\vdash$                            | $\vdash$        | $\dashv$ | $\dashv$ | +  | $\dashv$ | _        |          |          | 114      | $\vdash$            | $\dashv$ | $\dagger$    | +       | +-      | +       | $^{\dagger}$ | +      |
| <b>—</b>     | 15       | -        | $\vdash \vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |          | H                                   |              | $\dashv$ |          | 65       | Н        | Н                                   | $\vdash$        | $\dashv$ | +        | +  | +        | -+       | _        |          | 115      | $\vdash$            | $\dashv$ | +            | +       | +       | 1       | $\dagger$    | +-     |
| <b></b>      | 16       | -        | $\vdash \vdash$ | $\dashv$ | -        |          | -        | H                                   |              | $\dashv$ | <b> </b> | 66       | H        | $\vdash$                            | $\vdash$        |          | +        | $\dashv$                                   | $\dashv$ | $\dashv$ | $\dashv$ | <b>—</b> | 116      | $\vdash$            | $\dashv$ | +            | +       | +-      | +       | T            | +      |
|              | 17       | -        | $\vdash$        | ┪        | -1       | $\dashv$ | $\dashv$ | $\vdash$                            |              | $\dashv$ |          | 67       |          |                                     |                 | -        |          | 十  | $\dashv$ | $\dashv$ | $\dashv$ | <b>—</b> | 117      | H                   | _        | +            | $\top$  | +-      | +       | +            | +      |
|              | 18       | -        |                 | $\dashv$ | -        |          | -        |                                     |              |          |          | 68       |          |                                     | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$                                   | $\dashv$ | $\dashv$ | $\dashv$ |          | 118      | $\vdash$            | +        | +            | ╅       | +-      | +       | +            | +      |
| $\vdash$     | 19       |          | -               | +        | -        | $\dashv$ | -        |                                     |              | $\dashv$ |          | 69       | -        |                                     | $\vdash$        | $\dashv$ | $\dashv$ | -  | -+       | $\dashv$ |          | -        | 119      | -                   | +        | ╫            | ╫       | +       | +       | +            | +      |
| <del>_</del> |          | =        | $\vdash$        | -+       |          |          | -        | -                                   |              | $\dashv$ |          | 70       |          |                                     |                 |          |          | $\dashv$                                   | +        | $\dashv$ | $\dashv$ | -        | 120      | $\vdash$            | +        | +            | ╅       | ┿       | +       | +            | +      |
| 9            | 20       | =        | $\vdash$        | -+       | $\dashv$ |          | _        |                                     |              | $\dashv$ |          | 71       |          |                                     |                 | -        | -        | $\dashv$                                   | $\dashv$ | $\dashv$ |          |          | 121      | $\vdash$            | +        | +            | ┿       | ╅       | +       | ╁            | +      |
| 10           | 21       | =        | $\vdash$        | $\dashv$ | $\dashv$ | -        | $\dashv$ | _                                   | Н            | $\dashv$ |          | 72       |          |                                     | $\vdash$        |          | $\dashv$ | $\dashv$                                   | $\dashv$ | $\dashv$ |          |          | 122      | $\vdash$            | +        | +            | +       |         | +       | ╁            | +-     |
| _            | 22       | -        | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | _        | _                                   | $\vdash$     | -        | -        | 73       |          |                                     |                 | $\dashv$ |          | $\dashv$                                   | -        | $\dashv$ | $\dashv$ | -        | 123      | $\vdash$            | +        | +            | +       |         | +       | +            |        |
|              | 23       | $\vdash$ | $\vdash$        | -+       |          |          |          |                                     |              |          | -        | 74       | $\vdash$ |                                     | Н               | $\dashv$ | -        | $\dashv$                                   | -        | $\dashv$ | -        | <u> </u> | 123      | $\vdash$            | +        |              | +       | +       | ╁       | +            | +      |
|              | 24       |          | $\dashv$        |          | $\dashv$ |          |          | _                                   |              |          |          |          | _        | _                                   | $\vdash$        | $\dashv$ | $\dashv$ |  | -        |          |          | <u> </u> | 125      | ₩                   | +        | +-           | +       | +       | ╁       | +            | +      |
|              | 25       | H        |                 | $\dashv$ |          | _        |          | <u> </u>                            |              |          |          | 75       | <u> </u> |                                     |                 |          | $\dashv$ | $\dashv$                                   | -        | -+       |          | -        | 126      | <del></del>         | +        | +            | +       | +       | +       | ╁            | +-     |
|              | 26       |          | -               | -        |          | _        |          |                                     |              |          |          | 76       | <u> </u> |                                     | Н               |          | -        | $\dashv$                                   | -        |          |          | ļ        | 127      |                     | +        | +            | +       | +       | +       | ╁            | +      |
|              | 27       |          | $\vdash$        | -        | -        | _        |          |                                     |              |          |          | 77       | _        | -                                   | $\vdash$        | $\dashv$ | -        | $\dashv$                                   | $\dashv$ | -+       | -        | <u> </u> |          | ⊢⊦                  | +        | +            | +       | +       | +       | +            | +      |
|              | 28       | Ш        | $\perp$         | -        | 4        | _        | _        | <u> </u>                            |              | _        | <u> </u> | 78       | <u> </u> | -                                   | $\vdash$        | $\dashv$ |          | -  | -        | -+       | _        | <b> </b> | 128      | $\vdash$            | +        | - -          | +       | +       | +       | ╀            | +-     |
|              | 29       | <u> </u> |                 | _        | _        | _        |          |                                     |              | _        |          | 79       | <u> </u> |                                     | Ш               | _        | _        | -  |          | -        | -        |          | 129      | $\vdash$            | -        | +            | +       | +       | ┿       | +            |        |
| <u></u>      | 30       | _        |                 | 4        | _        |          |          | _                                   |              |          |          | 80       | <u> </u> |                                     | Ш               |          | $\dashv$ |  | -        | -        | _        | <u> </u> | 130      | ₩                   |          | 4            | +       | +       | +       | +-           |        |
|              | 31       | <u> </u> |                 | 4        | _        |          |          |                                     |              | _        | <u> </u> | 81       | <u> </u> |                                     | $\sqcup$        |          |          | _  |          | _        | _        |          | 131      |                     |          | -            | +       | +-      | +       | +            | +      |
|              | 32       |          |                 | _        | _        |          |          | _                                   |              |          | <u> </u> | 82       |          | $\vdash$                            | Ш               | _        |          | -  | -        |          | 4        |          | 132      | $\vdash$            | +        | +            | +       | +       | +       | ╁            | 4      |
| <u></u>      | 33       | <u> </u> | $\sqcup$        | $\dashv$ |          |          |          |                                     |              | $\sqcup$ |          | 83       | <u>L</u> | <u> </u>                            |                 | _        |          | _  | _        | $\dashv$ | $\dashv$ | -        | 133      | $\vdash \vdash$     |          | -            | +       | +       | +       | +            | +      |
| <u></u>      | 34       | <u> </u> | $\sqcup$        | _        | _        |          |          | <u> </u>                            | <u> </u>     | Ш        |          | 84       |          | $\vdash$                            | Ш               |          | _        |  | _        | $\dashv$ | $\dashv$ | <u> </u> | 134      | $\vdash \vdash$     | +        |              | +       | +       | +       | ╀            | +      |
|              | 35       | <u> </u> | $\sqcup$        | _        |          |          |          |                                     | Щ            | Ш        | <u> </u> | 85       | <u> </u> | L-                                  | $\vdash \vdash$ |          | _        | 4  | _        | $\dashv$ | _        | <u> </u> | 135      | $\vdash$            |          | +            | +       | +-      | +-      | +            |        |
|              | 36       | <u> </u> | $\sqcup$        | $\dashv$ |          |          |          | <u> </u>                            | _            | $\Box$   | <u> </u> | 86       | ļ        | $\vdash$                            | Ш               | _        | _        | _  | 4        | -        |          | <u> </u> | 136      | $\vdash$            | +        | 4-           | -       | +       | +       | +            |        |
|              | 37       | L        | Щ               | _        | _        |          |          | L.                                  | Щ.           | Щ        | <u> </u> | 87       |          |                                     |                 | _        | _        | 4  | _        | _        | _        | -        | 137      | $\vdash \vdash$     | +        | +            | _       | +       | +       | +            | +      |
|              | 38       |          | Ш               | $\dashv$ |          |          |          | L_                                  | <u> </u>     |          |          | 88       | L        | <u> </u>                            |                 |          | _        | _  |          | _        | $\dashv$ | <u> </u> | 138      | $\sqcup$            |          | 4            |         | 4       | $\perp$ | +            | -      |
|              | 39       | <u> </u> |                 | _        |          |          |          |                                     |              | Ш        |          | 89       |          |                                     | Щ               |          | _        |  | _        | $\dashv$ | _        |          | 139      | $\sqcup$            |          | +            | _       | $\bot$  | $\bot$  | 4            | -      |
|              | 40       | <u> </u> | Ш               | _        |          |          |          | L_                                  | L.           | Ш        | ļ        | 90       | _        | lacksquare                          | Ш               |          |          |  | _        | _        |          | <u></u>  | 140      | $\sqcup$            | _        | 4            | 4       | +       | +       | _            | —      |
| L            | 41       |          | Ш               | $\perp$  |          |          |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | $oxed{oxed}$ |          |          | 91       |          | $oxed{oxed}$                        | Ш               |          |          |  |          | _        |          |          | 141      | $\sqcup$            | _        | 1            | $\perp$ | 4       | 4       | $\bot$       | +      |
|              | 42       |          | Ш               | ļ        |          |          |          | _                                   | L_           |          |          | 92       | <u> </u> |                                     | Ш               |          |          |  |          | $\dashv$ | _        |          | 142      |                     | $\perp$  | $\perp$      | $\perp$ | _       | 4-      | $\bot$       | -      |
|              | 43       |          | Ш               |          |          |          |          | <u> </u>                            |              |          |          | 93       | <u> </u> | L                                   | Ш               |          | _        | _  |          |          |          |          | 143      | $\sqcup$            |          | $\downarrow$ | _       | _       | _       | $\bot$       |        |
|              | 44       |          | Щ               | _        |          |          |          |                                     | $oxed{oxed}$ |          |          | 94       | _        | <u> </u>                            | Щ               |          | _        |  | _        | _        | _        |          | 144      | $\sqcup$            | $\perp$  | _            | 4       | $\bot$  | $\bot$  | $\bot$       | —      |
|              | 45       | L        | Ш               |          |          |          |          | L                                   |              |          |          | 95       |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |                 |          | _        | $ \bot                                   $ |          |          | _        |          | 145      | $\sqcup$            | _ _      | $\perp$      | _       |         | $\perp$ | $\perp$      |        |
|              | 46       | L        |                 | _[       | ]        |          |          | _                                   | $oxed{\Box}$ |          |          | 96       |          |                                     | Ш               |          |          |  | $\perp$  | $\perp$  | _        |          | 146      | $\sqcup$            | $\perp$  | $\perp$      | $\perp$ | 4       | $\perp$ | $\perp$      | $\bot$ |
|              | 47       |          |                 |          |          |          |          | $oxedsymbol{oxed}$                  |              |          |          | 97       |          | L                                   |                 |          |          | l  | $\perp$  | $\perp$  | _        | L        | 147      | $\sqcup \downarrow$ | $\perp$  | $\downarrow$ | _       | $\perp$ | $\perp$ | $\perp$      | $\bot$ |
|              | 48       |          |                 |          | I        |          |          |                                     | <u> </u>     |          |          | 98       |          |                                     |                 | ]        |          |  |          |          | _        | L        | 148      | Ш                   |          | $\perp$      | $\perp$ | $\perp$ | 4       | $\perp$      |        |
|              | 49       |          |                 |          |          |          |          |                                     |              |          |          | 99       | _        |                                     |                 |          |          |  |          |          | _        | L_       | 149      | Ш                   |          | $\perp$      | 丄       | $\bot$  | 1       | $\perp$      | +      |
|              | 50       |          |                 |          |          |          |          |                                     |              |          |          | 100      |          |                                     |                 |          |          | [  |          |          |          | L        | 150      | $\perp \perp$       | l_       |              |         |         | 1.      |              |        |